

Figure 1 (A-F)

Construct Forms Comprising at Least one Single-Stranded Region

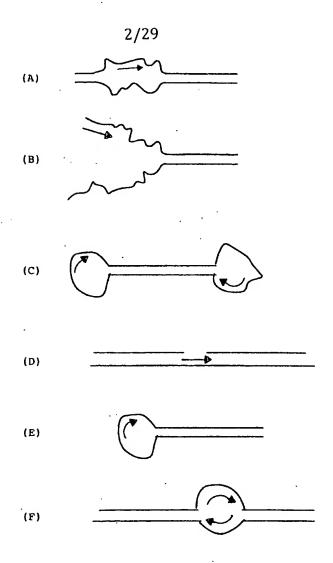
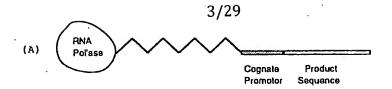
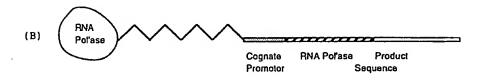


Figure 2 (A-F)

Functional Forms of the Construct





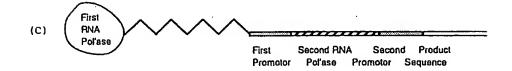


Figure 3 (A-C)

Three Constructs with an RNA Polymerase Covalently Attached to a Transcribing Cassette

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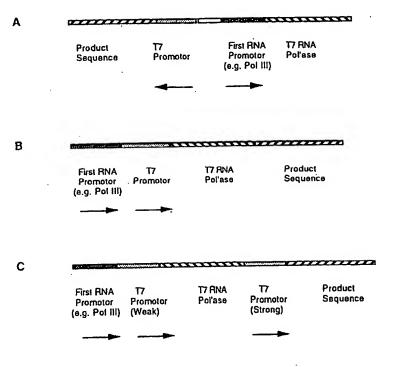


Figure 4 (A-C)

Three Constructs with Promoters for Endogenous RNA Polymerase

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M13mp	18. Seq Len	gth: 7250			
1.	AATGCTACTA	CTATTAGTAG	AATTGATGCC	ACCTTTTCAG	CICCOCC
51.	AAATGAAAAT	ATAGCTAAAC	AGGITATIGA	CCATTTCCCCA	AATGTATCTA
101.	ATOGTCAAAC	TAAATCTACT	OGTTOGCAGA	ATTOGGAATC	AACTGTTACA
151.	TOGAATGAAA	CTTOCAGACA	COGTACTTTA	GTTGCATATT	TAAAACATGT
201	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	TOOGCAAAAA
251	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	TACTCTCTAA	TOCTGAOCTG
301.	TTGGAGTTTG	CITCOGGICT	GGTTOGCTTT	GAAGCTOGAA	TTAAAACGCG
351.	ATATTTGAAG	TCTTTCGGGC	ТТССТСТТАА.	TCTTTTGAT	GCAATCCCCT
401.	TTECTTCTGA	CTATAATAGT	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG
451.	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	TTTGAGGGGG	ATTCAATGAA
501.	TATTTATGAC	GATTOOGCAG	TATTEGACCC	TATCCAGTCT	AAACATTTTA
551.	CTATTACCCC	CTCTGGCAAA	ACTICITITIE	CAMAGOCTIC	TOGCTATTTT
601.	GGTTTTTATC	GIOGICIGGI	AAAOGAGGGT	TATGATAGTG	TIGCTCTTAC
651.	TATECCTOCT	AATTCCTTTT	GEOGITATGI	ATCTGCATTA	GTTGAATGTG
701.	GTATTCCTAA	ATCTCAACTG	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT
751.	COGITAGITC	GTTTTATTAA	CGTAGATTTT	TCTTCCCAAC	GICCIGACIG
801.	GTATAATGAG	CCAGTTCTTA	AAATOGCATA	AGGTAATTCA	CAATGATTAA
851.	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTOGT	TCTCGTGTTC
901.	TOGTCAGGGC	AAGCTTATT	CACTGAATGA	GCAGCITIGI	TACGTTGATT
951.	TGGGTAATGA	ATATCCGGTT	CITGTOGAAG	ATTACTCTTG	ATGAAGGTCA
1001	GOCAGOCTAT	GOGGOTTEGTTC	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG
1051	TTGGTCAGTT	COSCITICACITY	ATGATTGACC	GICTGOGGCT	CONTROCACT
1101	AAGTAACATG	GAGCAGGTOG	COGATTTCGA	CACAATTTAT	CACCOCCATICA
1151	TACAAATCTC	OGTTGTACCTT	тстттововс	TTGGTATAAT	COCTOCCCCT
1201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTCG	CCICITICGI	TTTAGGTTGG

Figure 5

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1251	TGCCTTCGTA	GTGGCATTAC	GTATTTTACC	COTTTAATOG	AAACTTOCTC
1301	ATGAAAAGT	CTTTAGTCCT	CAAAGCCTCT	GTAGCOGTTG	CTACCCTCGT
1351	TOOGATECTG	TCTTTCGCTG	CTGAGGGTGA	OGATOCOGCA	AMAGOGGCCT
1401	TTAACTCCCT	GCAAGOCTCA	GOGACOGAAT	ATATOGGTTA .	TGOGTGGGGGG
1451	ATGGTTGTTG	TCATTGTCGG	OGCAACTATC	<b>GGTATCAAGC</b>	TGTTTAAGAA
1501	ATTCACCTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	COCTOCTTTT
1551	<b>GGAGOCTTTT</b>	TTTTTGGAGA	TTTTCAACGT	GAAAAAATTA	TTATTOGCAA
1601	TTCCTTTAGT	TGTTCCTTTC	TATTCTCACT	COCCTGAVAC	TGTTGAAAGT
1651	TGTTTAGCAA	AACCCCATAC	AGAAAATTCA	TTTACTAACG	TCTGGAAAGA
1701	CGACAAAACT	TTAGATCGTT	ACCCTAACTA	TGAGGGTTGT	CTGTGGAATG
1751	CTACAGGCGT	TGTAGTTTGT	- ACTEGTGACG	AAACTCAGTG	TTACGGTACA
18,01	TEGGTTCCTA	THEGGETHEC	TATOCCTGAA	AATGAGGGTG	GTEECTCTGA
1851	CCCTCCCCCCTT	TCTGAGGGTG	COCCTTCTCA	ecciecceci	ACTAAACCTC
1901	CTGAGTACGG	TGATACACCT	ATTOCOGCOCT	ATACTTATAT	CAACCCTCTC
1951	GACGGCACTT	ATCCCCCTCCC	TACTGAGCAA	AACCCCCTA	ATOCTAATOC
2001	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TITCATGTTT	CAGAATAATA
2051	<b>GGTTCCGAAA</b>	TAGGCAGGGG	CCATTAACTG	TTTATACGGC	CACTGITACT
2101	CAAGGCACTG	ACCCCCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGOCATG	TATGACGCTT	ACTOGRACOGG	TAAATTCAGA	GACTGOGCTT
2201	CAAGGCACTG	ACCCCCCTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGCCATG	TGCCTCAACC	TOCTGTCAAT	GC1090390G	ecticiestes
2201	TOCATTCTGG	CTTTAATCAA	GATOCATTOG	TTTGTGAATA	TCAAGGCCAA
2251	TOGTCTGACC	TECCTCAACC	TOCTGTCAAT	ecteeceecs	ectictegreg
2301	TEGTICIEGT	<b>CECCECTICIG</b>	AGGGTGGTGG	CICTGAGGGT	<b>eccentric</b>
2351	AGGGTGGCGG	CTCTGAGGGA	GEÓCELLOCO	GIEGTEECTC	TOGTTOOGGT
2401	GATTTTGATT	ATGAAAAGAT	COCAMACGET	AATAAGGGGG	CTATGACCGA
2451	AAATGCCGAT	CAAAACCCCCC	TACAGTOTGA	COCTAMAGEC	AAACTTGATT
			-1		

Figure 5

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2501	CTGTCGCTAC	TGATTACGGT	OCTOCTATOG	ATGGTTTCAT	TEGTGACGTT
2551	TOOGGOOTIG	CTAATGGTAA	TOGTOCTACT	COTGATTTTG	CTEGCTCTAA
2601	TTOOCAAATG	<b>GCTICAAGTOG</b>	GTGACGGTGA	TAATTCACCT	TTAATGAATA
2651	ATTTCCGTCA	ATATTTACCT	TOOCTOOCTC	AATOGGTTGA	ATGTCGCCCT
2701	TTTGTCTTTA	COCCTECTAA	ACCATATGAA	TTTCTATTG	ATTGTGACAA
2751	AATAAACTTA .	TTOOGTEGTE	TCTTTGCGTT	TCTTTTATAT	GITGOCACCT
2801	TTATGTATGT	ATTITICTACG	TTTGCTAACA	TACTGCGTAA	TAAGGAGTCT
2851	TTATCATGCC	AGTTCTTTTG	<b>CONTACT</b>	TATTATTGCG '	THOCTOGGT
2901	TTCCTTCTGG	TAACTITIGIT	COCCTATCTG	CTTACTTTTC	TTAMAAGGG
2951	CTTCGGTAAG	ATAGCTATTG	CTATTTCATT	GITICHIGCT	CTTATTATTG
3001	<b>GECTTAACTC</b>	AATTCTTGTG	<b>GGTTATCTCT</b>	CTGATATTAG	COCTCAATTA
3051	COCTCTGACT	TIGHICAGGG	TGTTCAGTTA	ATTICTICCCCGT	CTAATGOGCT
3101	тсостаттт	TATGTTATTC	TCTCTGTAAA	<b>GCTCCTATT</b>	TICATTTITG
3151	ACGTTAÁACA	AAAAATCGTT	TCTTATTTGG	ATTGGGATAA	ATAATATGGC
3201	TGTTTATTTT	GTAACTGGCA	AATTAGGCTC	TOGAMAGACG	CTOGTTAGOG
3251	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	<b>OCTOCAAAAT</b>	AGCAACTAAT
3301	CTTGATTTAA	GGCTTCAAAA	OCTOCCOCAA	GTOSGGAGGT	TOGCTAAAAC
3351	COCTOCOGIT	CTTAGAATAC	COGGATAAGCC	TTCTATATCT	GATTIGCTIG
3401	CTATTGGGCG	COGTAATGAT	TOCTACGAATG	AAAATAAAAA	озеспесп
3451	GTTCTCGATG	AGTGCGGTAC	TTGGTTTAAT	ACCOGTTCTT	GGAATGATAA
3501	GGAAAGACAG	COCCATTATTG	ATTGGTTTCT	ACTECTOGT	AAATTAGGAT
3551	GGGATATTAT	тпспсп	CAGGACTTAT	CTATTGTTGA	TANACAGGOG
3601	OGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTOGTOGTC	TOGACAGAAT
3651	TACTTTACCT	TTTGTCGGTA	CTTTATATTC	TCTTATTACT	GGCTCGAAAA
3701	тесстстесс	TAAATTACAT	alleccalle	TTAAATATGG	CGATTCTCAA
3751	TTAAGCCCTA	CTGTTGAGOG	TTGGCTTTAT	ACTOGTAAGA	ATTTGTATAA
3801	OGCATATGAT	ACTAMACAGG	CTTTTTCTAG	TAATTATGAT	TOOGGIGITT

Figure 5

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3851 3901	ATTCTTATTT  AATTTAGGTC	AACGCCTTAT AGAAGATGAA	TTATCACAOG	GICGGIATTT	CAAACCATTA
3901	AATTTAGGTC	ACAACATCAA			
•		AGMONIGM	ATTAACTAAA	ATAATATTGA	AAAAGTTTTC
3951	TOGOGITICIT	TGTCTTGOGA	TTGGATTTGC	ATCAGCATTT	ACATATAGTT
4001	ATATAACCCA	ACCTAAGCCG	GAGGTTAAAA	AGGTAGTCTC	TCAGACCTAT
4051	GATTTTGATA	AATTCACTAT	TGACTCTTCT	CAGOGTICTTA	ATCTAAGCTA
4101	TOGOTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	AGOGACGATT
4151	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTCC
4201	ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTITGTTT
4251	TCTTGATGTT	TGTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAAT
4301	AATTOGOCTC	TECCECCATTT	TGTAACTTGG	TATTCAAAGC	AATCAGGGGA
4351	AATCCGTTATT	GITTCTCCCCG	ATGTAAAAGG	TACTGTTACT	GTATATTCAT
4401	CTGACGTTAA	ACCTGAAAAT	CTACGCAATT	TCTTTATTTC	TGTTTTACGT
4451	GCTAATAATT	TTGATAATGGT	TGGTTCAATT	CCTTCCATAA	TTCAGAAGTA
4501	TAATOCAAAC -	AATCAGGATT	ATATTGATGA	-ATTGCCATCA	TCTGATAATC
4551	AGGAATATGA	TGATAATTCC	ecicciicig	GIGGITTCTT	TGTTCCGCAA
4601	AATĢATAATG	TTACTCAAAC	TTTAAAATTT	AATAAOGTTC	GGGCAAAGGA
4651	TTTAATAOGA	GTTGTCGAAT	TGTTTGTAAA	GTCTAATACT	TCTAAATCCT
4701	CAAATGTATT	ATCTATTGAC	<b>GCTCTAATC</b>	TATTAGTTGT	TAGTGCTCCT
4751	AAAGATATTT	TAGATAACCT	TOCTCAATTC	CTTTCTACTG	TTGATTTGCC
4801	AACTGACCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG
4851	ATGCTTTAGA	TTTTTCATTT	ectecteect	CTCAGOGTEG	CACTGTTGCA
4901	<b>GGOGGIGITA</b>	ATACTGACCG	CCTCACCTCT	GTTTTATCTT	CIECTEGIEG
4951	TTOGTTCGGT	ATTTTTAATG	GCGATGTTTT	AGGGCTATCA	GITOGOGCAT
5001	TAAAGACTAA	TAGCCATTCA	AAAATATTGT	CTGTGCCACG	TATTCTTACG
5051	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	<b>CCCCAGAATG</b>	TCCCTTTTAT
5101	TAAAGACTAA	TAGOCATTCA	AAAATATTGT	CTGTGCCACG	TATTCTTACG
5151	OGATTICAGOG .	TCAAAATGTA	<b>GGTATTTCCA</b>	TGAGCGTTTT	TOCTGTTGCA

-Figure 5

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5201	ATGGCTGGGG -	GTAATATTGT.	TCTGGATATT	ACCAGCAAGG	COGATAGTTT
5251	GAGTTCTCT	ACTCAGGCAA	GTGATGTTAT	TACTAATCAA	AGAAGTATTG
5.301	CTACAACGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT	COGTECCOCTC
5351	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GEOGTACOGT	TOCTGTCTAA
5401	AATCCCTTTA	ATCGGCCTCC	TGTTTAGCTC	COSCTICTIGAT	TOCAACGAGG
5451	AAAGCACGTT	ATACGTGCTC	GTCAAAGCAA	CCATAGTACG	COCCTGTAG
5501	ATTA SECRETO	AGOGGGGGG	GIGIGGIGGI	TACGCGCAGC	GTGACCECTA
5551	CACTTGCCAG	COCCTAGCG	COOCCICCTT	TOGOTHICH	остостт
5601	CTCGCCACGT	TOSCOGGCTT	TOOCOGTCAA	CCTCTAAATC	GGGGGC TOOC
5651	TTTAGGGTTC	CGATTTAGTG	CTTTACCGCCA	CCTCGACCCC	AAAAAACTTG
5701	ATTTGGGTGA	TEGTTCACGT	AGTGGGCCAT	CCCCTGATA	GACGGTTTTT
5751	OCCOUNTINGA	COTTOCACTO	CACGITCITT	AATAGTGGAC	TCTTGTTCCA
5801	AACTGGAACA	ACACTCAACC	CTATCTCGGG	CTATTCTTTT	GATTTATAAG
5851	GGATTTTGCC	GATTTOGGAA	CCACCATCAA	ACAGGATTTT	COCCIOCIOC
5901	CCCAAACCAG	CGTTGGACCCC	TTGCTGCAAC	TCTCTCAGGG	CCAGGCGGTG
5951	AAGGGCAATC	AGCTGTTGCC	OGICIOGCIG	GTGAAAAGAA	AAAOCAOOCT
6001	GEOGEOCCAAT	ACGCAAACCG	CTCTCCCCCG	OCCUTTO COCC	GATTCATTAA
6051	TOCAGCTOGC	ACGACAGGIT	TOCOGACTEG	AAAGOOGGCA	GTGAGOGCAA
6101	COCAATTAAT	GTGAGTTAGC	TCACTCATTA	GGCACCCCAG	GCTTTACACT
6151	TTATGCTTCC	GCTCGTATG	TIGIGIGGAA	TTGTGAGOGG	ATAACAATTT
6201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GAATTOGAGC	TOGGTACCCG
6251	COCATOCTCT	AGAGTOGACC	TOCAGGCATG	CAAGCTTGGC	ACTEGEOCETC
6301	GTTTTACAAC	GTOGTGACTG	GGAAAACCCT	GEOGTTACCC	AACTTAATOG
6351	CCTTCCACCA	CAATCCCCTT	TOGOCAGCTG	GCGTAATAGC	GAAGAGGCCCC
6401	CCACCGATCG	COCTTOOCAA	CAGTTGCGCA	GOCTIGAATIGG	CCAATCCCCCC
6451	THEOCIGGE	TITOGGGCACC	AGAAGCCGTG	CCCGAAAGCT	GECTEEAGTG
6501	COATCTTCCT	GAGGCCCATA	COGTOGTOGT	COCCTCAVAC	TOGCAGATGC

Figure 5

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6551	ACGGITACGA	TEXCECCATC	TACACCAACG	TAACCTATCC	CATTACGGTC
6601	AATOOGOOGT	TIGTTCCCAC	<b>CCACAATTOOG</b>	ACGCGTTGTT	ACTOGCTCAC
6651	ATTTAATGTT	GATGAAAGCT	GGCTACAGGA	ACCOCAGACG	CGAATTATTT
67:01	TIGATGGGGT	TOCTATTGGT	TAAAAAATGA	GCTGATTTAA	CAAAAATTTA
6751	ACCCCAATTT	TAACAAAATA	TTAACGTTTA	CAATTTAAAT	ATTTGCTTAT
6801	ACAATCTTCC	TGTTTTT@GG	GCTTTTCTGA	TTATCAACOG	GGGTACATAT
6851	GATTGACATG	CTAGTTTTAC	GATTACCGTT	CATOGATTCT	спептест
6901	CCAGACTCTC	AGGCAATGAC	CTGATAGOCT	TTGTAGATCT	CTCAAAAATA
6951	GCTACCCTCT	COGGCATGAA	TTTATCAGCT	AGAACGGTTG	AATATCATAT
7001	TGATGGTGAT	TIGACIGICT	COCCOCTITIC	TCACCCTTTT	GAATCTTTAC
7051	CTACACATTA	CTCAGGCATT	GCATTTAAAA	TATATGAGGG	TTCTAAAAAT
7101	TTTTATCCTT	COCTTCAAAT	AAAGGCTTCT	CCCCCAAAAG	TATTACAGGG
7151	TCATAATGTT	TTTGGTACAA	COGATTTAGC	TTTATGCTCT	GAGGCTTTAT

Figure 5

#### 11/29

#### COMPLEMENTARY TO M<sub>13</sub>

POSITION 645	5 ' 3' AGCAACACTATCATA	POSITION 631	M <sub>13</sub> /1
615	ACGACGATAAAAACC	601	M <sub>13</sub> /2
585	TTTTGCAAAAGAAGT	571	M <sub>13</sub> /3
555	AATAGTAAAATGTTT	541	M <sub>13</sub> /4
525	CAATACTGOGGAATG	511	M <sub>13</sub> /5
495	TGAATCCCCCTCAAA	481	M <sub>13</sub> /6
465	AGAAAACGAGAATGA	451	M <sub>13</sub> /7
435	CAGGTCTTTACCCTG	421	M <sub>13</sub> /8
405	AGGAVAGCGGATTGC	391	M <sub>13</sub> /9
375	AGGAAGOOOGAAAGA	361	M <sub>13</sub> /10

#### COMPLEMENTARY TO SS PHAGE DNA

POSITION	5' * 3'	POSITION	
351	ATATTIGAAGTCTTT	366	M <sub>13</sub> /11
371	TCTTTTGATGCAAT	386	M <sub>13</sub> /12
391	CTATAATACTCAGGG	406	M <sub>13</sub> /13
411	TGATTTATGGTCATT	426	· M <sub>13</sub> /14
431	GTTTAAAGCATTTGA	446	M <sub>13</sub> /15
451	TATTTATGACGATTC	466	M <sub>13</sub> /16
471	TATOCAGTCTAAACA	486	M <sub>13</sub> /17
491	CTCTGGCAAAACTTC	506	M <sub>13</sub> /18
5 1-1	TOGOTATITTGGTTT	526	M <sub>13</sub> /19
-531	AAAOGAGGGTTATGA	546	M 13/20

Figure 6

Primers for Nucleic Acid Production Derived from M13mp18 Sequence

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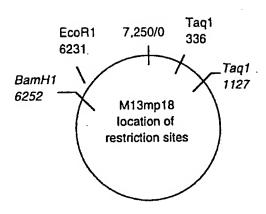


Figure 7

Appropriate M13mp18 Restriction Sites

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Lane 1: from calf thymus + Taq digested mp18 amplification reaction

Lane 2: from Taq digested mp18 amplification reaction

Lane 3: from calf thymus amplification reaction

Lane 4: øX174 Hinf1 size marker

Figure 8

## 14/29



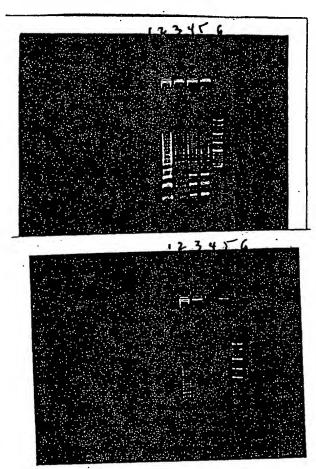
Lane 1: no template

Lane 2: mp18 template, phosphate buffer

Lane 3: Mspl/pBR322 size marker Lane 4: mp18 template, MOPS buffer

Figure 9

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Top= (+) Template
Bottom= (-) Template

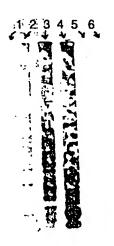
Lane 1: phosphate buffer

Lane 2: MES Lane 3: MOPS Lane 4: DMAB Lane 5: DMG

Lane 6: pBR322/Mspl size marker

Figure 10

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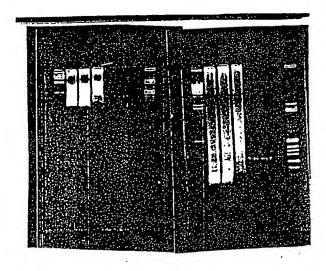
Lane 1: DMAB buffer, no template Lane 2: DMAB buffer, mp18 template Lane 3: DMG buffer, no template Lane 4: DMG buffer, mp18 template

Lane 5: No reaction

Lane 6: 200 ng Taq I digested mp18 size marker/positive control

Figure 11

## 17/29



First Time Interval Second Time Interval

#### Agarose Gel Analysis

Lane 1: lambda Hind III marker

Lane 2: Amp/Untreated

Lane 3: Amp/Kinased

Lane 4: Amp/Kinased/Ligated

Lane 5: PCR/Untreated

Lane 6: PCR/Kinased

Lane 7: PCR/Kinased/Ligated

Lane 8: øX174/Hinf1 marker

Figure 12

18/29

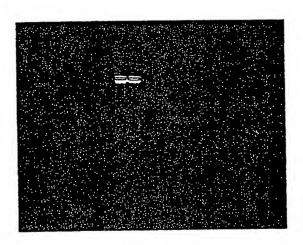
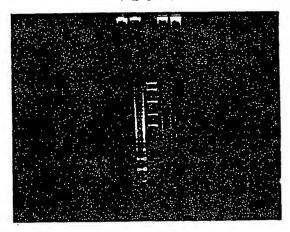


Figure 13

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#### 1 2 3 4 5 6



Lane 1: Primers alone

Lane 2: Primers + taq digested M13 DNA

Lane 3: Molecular weight markers

Lane 4: Primers + RNA

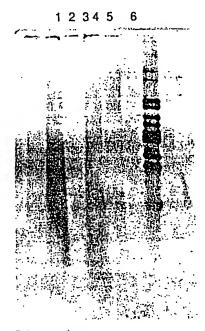
Lane 5: Primers alone

Lane 6: M13 digested DNA

Buffer was dimethyl amino glycine, pH 8.6

Figure 14

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Lane 1: Primers alone

Lane 2: Primers + taq digested M13 DNA

Lane 3: Molecular weight markers

Lane 4: Primers + RNA

. Lane 5: Primers alone

Lane 6: M13 digested DNA

Buffer was dimethyl amino glycine, pH 8.6

Figure 15



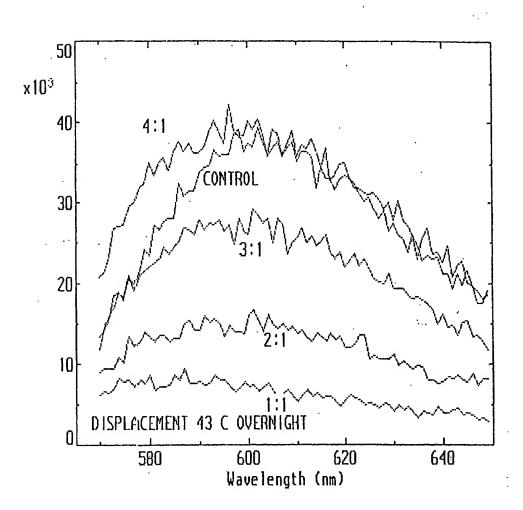


Figure 16

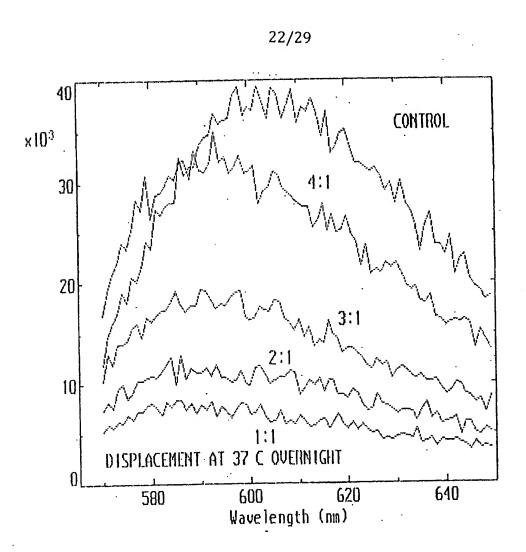


Figure 17

#### 23/29

pIBI 31-BH5-2

fmet AUG of Lac z {T7 Promotor region---- LAC PROMOTOR.ATG ACC ATG ATT ACG CCA GAT ATC AAA TTA ATA CGA CTC ACT ATA

oligo 50-mer 3'- tac t'aa t'gc ggt' ct'a t'ag t'Vt aat' tat' gct' gag t'ga t'at' c-5' 10 base insert

T7 RNA Start («« T3 Promotor Region )
IGGG CTC ICCT TTA GTG ACG GTT AAT
....») «- T3 Start Signal

#### pIBI 31 BSII/HCV

{"- T7 Promotor Region }

MULTIPLE CLONING SITE + 390 BASE INSERT CTA /TAG TGA GTC CGT ATT AAT....

"- T7 Start Signal

5'-ct'a t'ag t'ga gt'c gt'a tt'a at'...........

24/29

_	_					_		_	-				_	-					٠		_	_				•			_			_	_	_	_	_	_		_					_	5
_		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	~ '	-	-	-	-	•	_	-	-	_	_											_	์ ว
_	<b>.</b> .	_	_	_	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	~	•	-	-	-	-	-	-	-	_	_	-	_	 _	•	-	-	•	-	_	_	_	J

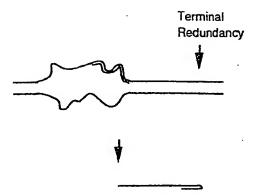
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Replication Bubble with Nucleotide Analogs



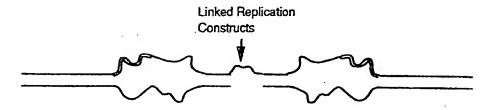
Primer-Dependent DNA Production Using Nucleic Acid Construct

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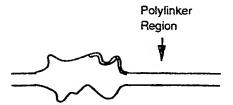
Hairpin Product

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Linked Complementary Production Constructs

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Cloning Site in Production Constructs

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# ARRANGEMENT OF OLIGONUCLEOTIDE PRIMERS IN AMPLIFICATION REACTION

1	2	3	4	5	6	7	8	9	10
20	19	. 18	17	16	15	14	13	12	11